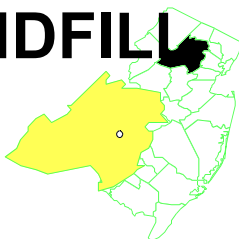


# SHARKEY LANDFILL

## NEW JERSEY

EPA ID# NJD980505762



**EPA REGION 2**  
**CONGRESSIONAL DIST. 11**  
Morris County  
Townships of Parsippany-Troy Hills  
and East Hanover

**Other Names:**  
**Sharkey Farm Landfill**

## Site Description

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The Sharkey Landfill site is approximately 90 acres in size and is divided into five separate fill areas: the North Fill, South Fill, Northwest-North Fill, Northwest-South Fill, and Southwest Fill. The North Fill is a 26-acre island in the Rockaway River. The South Fill is an approximately 32-acre area adjacent to the Rockaway and Whippany Rivers and the Parsippany-Troy Hills wastewater treatment plant. The Northwest-North and Northwest-South Fills are about 11 and 15 acres in size, respectively, and were originally one fill area. The two fill areas were separated as a result of the construction of Interstate 280. The 9-acre Southwest Fill area is located along the Whippany River southeast of Ridgedale Avenue in East Hanover. The site began operating in 1945 and accepted municipal waste material until September 1972. During that time, the landfill also accepted commercial, industrial, and hazardous waste materials. Records indicate that various organic compounds were disposed of at the site, including toluene, benzene, chloroform, dichloroethylene, and methylene chloride. Although there have been allegations of waste disposal after 1972, the site is believed to have been generally inactive until 1979, when excavation related to the expansion of the Parsippany-Troy Hills wastewater treatment plant was initiated.

## Site Responsibility:

This site is being addressed through Federal and potentially responsible parties' actions.

### NPL LISTING HISTORY

Proposed Date: 12/01/82  
Final Date: 09/01/83

## Threats and Contaminants

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On-site groundwater is contaminated with VOCs including benzene, semi-volatile compounds, and heavy metals including lead, cadmium, and chromium. Soil is contaminated with heavy metals. The Whippany and Rockaway Rivers are the major surface waters in the area. Leachate from landfill seeps, surface water runoff from rainfall, and the undercutting action on the landfill sides may contaminate the rivers.

## Cleanup Approach

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The site is being addressed in a single long-term remedial phase focusing on the remediation of the entire site.

## Response Action Status

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**Entire Site:** The groundwater, surface water, and soil cleanup remedy selected in a 1986 Record of Decision to address site contamination included: (1) capping of the landfill; (2) installation of a venting system for landfill gases and extraction and treatment of shallow groundwater and leachate; (3) surface water controls to handle rainfall, storm runoff, and erosion of river banks; (4) installation of security fencing to restrict site access; and (5) a long-term groundwater monitoring program. The capping and groundwater extraction portions of the remedy were modified in an Explanation of Significant Differences signed in September 1993. A reevaluation of site circumstances and conditions resulted in a more limited capping scenario than originally planned. Only those portions of the North and South Fill areas having slopes of less than or equal to three horizontal to one vertical (3:1) will be capped. The remaining portions of these fill areas, as well as the three other fill areas, will be appropriately covered with soil and vegetated, as necessary. Additionally, groundwater extraction systems will only be operated at the North and South Fill areas, unless groundwater monitoring shows the need for operation of the extraction systems at any of the other fill areas as well. A Consent Decree for the remedial design and implementation of the remedial action at the site was lodged in federal court on July 5, 1994 and entered on December 2, 1994. The final remedial design was approved on May 9, 2000. On-site construction activities began in September 2000. To date, the fill areas are substantially completed.

## Cleanup Progress



The final remedial design, which describes the cleanup approach for the Sharkey Landfill site, was completed in May 2000. Site mobilization began on August 7, 2000, construction activities began on September 5, 2000 and are substantially complete. EPA has determined that the site does not pose an imminent threat to the surrounding community or the environment while construction activities are currently taking place.

## Site Repository



Site-related documents may be found at the Parsippany-Troy Hills Public Library, 292 Parsippany Road, Parsippany, New Jersey, 07054.